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HYDROLOGICAL MEMORANDA No. 32

RAINFALL OVER FORTH, LOTHIANS AND TWEED RIVER PURIFICATION BOARD AREAS

1. Rainfall Averages for the standard 35 year-period, 1916-1950

The determination of 35-year averages, for the months and for the year, was carried out in three stages.

a. Sound, homogeneous records complete for the 35 years, 1916-50, were selected to provide arithmetical averages of monthly and annual rainfall. The averages for stations in this group are given in Table I together with the percentage ratio of each monthly average to the relevant annual average.

The percentage ratios, plotted on a series of 12 maps - one for each calendar month - enabled isopercental lines to be drawn for the whole of Scotland. Small scale copies of the maps for the areas of this Memorandum are shown in Figure 1.

b. Annual averages for the period 1916-1950 were estimated for short-period stations using the methods described in Hydrological Memorandum No.5. The annual averages so found were then apportioned over the 12 calendar months using the isopercental maps referred to in a. above. Table II contains the resulting averages for those stations whose records were acceptable when subjected to the statistical tests mentioned in Hydrological Memorandum No. 5.

c. All available annual averages were plotted, and isohyets drawn on large scale maps. The isohyets, on a reduced scale, are reproduced as Figure 2.

2. Daily Rainfall, 1916-50

A number of stations with regular daily readings were chosen from Table I to provide, for each date of the year, a mean daily value based on the rainfall over the 35 years, 1916-50. The means are shown as accumulations in Table III, the entry under any particular date being the mean rainfall from January 1st to the date in question.

The mean rainfall for any particular period can be obtained by subtracting the accumulated total at the beginning of the period in question from the corresponding total at the end of the period.

3. Frequencies of Daily Rainfall, 1916-50

Stations selected from Table I were used to provide accumulated frequencies of daily rainfall amounts in intervals of mainly 0.10 inch. These are shown in Table IV. For example, the entry at 0.20 inch is the total number of days in the 35 years, 1916-50, with falls of 0.20 inch or more.

4. Extremes of Rainfall

For selected stations, maximum daily falls are set out in Table V, for periods between 1900 and 1963.

5. Further details about rainfall, for example maximum and minimum monthly and annual totals, can be obtained from the Meteorological Office, 26 Palmerston Place, Edinburgh, 12.

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TABLE I MONTHLY AND ANNUAL AVERAGES OF RAINFALL (inches) 1916-1950
Forth, Lothians and Tweed River Purification Board Areas

Station	Ht. (Ft)	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	
FORTH																
Ochil Hills Hospital	800	NT(37) 097076	5.26 11.1	3.65 7.7	3.12 6.6	2.73 5.7	3.32 7.0	3.00 6.3	4.09 8.6	4.28 9.0	4.13 8.7	5.01 10.5	4.55 9.6	4.35 9.2	47.49 100.0	Inch %
Loch Leven Sluices	360	NT(36) 171994	3.74 10.1	2.68 7.2	2.25 6.1	2.15 5.8	2.72 7.3	2.34 6.3	3.54 9.6	3.64 9.8	3.28 8.9	3.87 10.4	3.64 9.8	3.24 8.7	37.09 100.0	Inch %
Lothrie Reservoir	700	NO(37) 223040	3.58 9.6	2.54 6.8	2.40 6.5	2.29 6.2	2.83 7.6	2.47 6.6	3.58 9.6	3.66 9.8	3.36 9.0	3.92 10.5	3.52 9.4	3.12 8.4	37.27 100.0	Inch %
Kirkcaldy	106	NT(36) 272907	2.65 8.9	1.92 6.5	1.80 6.1	1.65 5.5	2.42 8.1	2.08 7.0	3.12 10.5	3.27 11.0	2.79 9.4	2.94 9.9	2.84 9.5	2.26 7.6	29.74 100.0	Inch %
Achaidh Burn	1200	NN(27) 369043	11.96 12.0	8.00 8.0	6.43 6.4	5.86 5.9	5.58 5.6	5.50 5.5	6.96 7.0	8.13 8.2	8.71 8.7	11.67 11.7	10.09 10.1	10.84 10.9	99.73 100.0	Inch %
Beinn Uamha	950	NN(27) 390062	11.37 12.3	7.54 8.1	6.02 6.5	5.34 5.7	5.18 5.6	4.92 5.3	6.37 6.9	7.26 7.8	7.97 8.6	10.97 11.8	9.44 10.2	10.35 11.2	92.73 100.0	Inch %
Glen Dhu	500	NN(27) 400035	10.60 12.2	7.29 8.4	5.56 6.4	5.03 5.8	4.95 5.7	4.60 5.3	5.90 6.8	6.77 7.8	7.47 8.6	10.08 11.6	8.85 10.2	9.72 11.2	86.82 100.0	Inch %
Loch Dhu	325	NN(27) 429037	10.07 12.4	7.01 8.7	5.34 6.6	4.94 6.1	4.53 5.6	4.22 5.2	5.22 6.4	6.18 7.6	6.78 8.4	9.40 11.6	8.21 10.1	9.16 11.3	81.06 100.0	Inch %
Touch Res. No. 3	758	NS(26) 732915	6.62 11.3	4.57 7.8	3.69 6.3	3.52 6.0	3.81 6.5	3.46 5.9	4.57 7.8	5.33 9.1	5.16 8.8	6.27 10.7	5.69 9.7	5.92 10.1	58.61 100.0	Inch %
Touch Res. No. 1	455	NS(26) 746917	6.34 11.4	4.23 7.6	3.50 6.3	3.34 6.0	3.61 6.5	3.23 5.8	4.34 7.8	5.06 9.1	4.89 8.8	6.01 10.8	5.45 9.8	5.62 10.1	55.62 100.0	Inch %
Blaircreach	460	NN(27) 441178	12.48 12.3	8.83 8.7	6.60 6.5	6.19 6.1	5.58 5.5	5.28 5.2	6.60 6.5	7.61 7.5	8.32 8.2	11.87 11.7	10.35 10.2	11.77 11.6	101.48 100.0	Inch %
Upper Glengyle	700	NN(27) 360147	11.60 12.3	8.11 8.6	6.13 6.5	5.56 5.9	5.18 5.5	5.00 5.3	6.22 6.6	7.16 7.6	7.92 8.4	11.03 11.7	9.61 10.2	10.75 11.4	94.27 100.0	Inch %
Glengyle	400	NN(27) 388133	11.35 12.4	7.80 8.5	6.08 6.6	5.48 6.0	5.08 5.5	4.89 5.3	5.98 6.5	6.99 7.6	7.53 8.2	10.84 11.8	9.33 10.2	10.42 11.4	91.77 100.0	Inch %

TABLE I MONTHLY AND ANNUAL AVERAGES OF RAINFALL (inches) 1916-1950
Forth, Lothians and Tweed River Purification Board Areas

Station	Ht. (Ft)	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	
FORTH (contd.)																
Allt-A-Choin	1250	NN(27) 414143	11.03	7.77	5.88	5.42	5.15	4.79	5.88	6.87	7.50	10.58	9.22	10.31	90.40	Inch
			12.2	8.6	6.5	6.0	5.7	5.3	6.5	7.6	8.3	11.7	10.2	11.4	100.0	%
Stronachlachar	385	NN(27) 401103	11.44	7.96	5.99	5.53	5.34	4.96	6.27	7.21	7.87	11.06	9.55	10.49	93.67	Inch
			12.2	8.5	6.4	5.9	5.7	5.3	6.7	7.7	8.4	11.8	10.2	11.2	100.0	%
Loch Katrine, Tunnel Hill Top)	830	NN(27) 417088	10.72	7.02	5.36	4.97	4.45	4.36	5.02	6.01	7.14	9.89	8.80	9.53	83.27	Inch
			12.9	8.4	6.4	6.0	5.3	5.2	6.0	7.2	8.6	11.9	10.6	11.5	100.0	%
Strone Bridge	420	NN(27) 454106	9.46	6.36	4.91	4.55	4.25	3.89	4.74	5.55	6.05	8.57	7.72	8.74	74.79	Inch
			12.6	8.5	6.6	6.1	5.7	5.2	6.3	7.4	8.1	11.5	10.3	11.7	100.0	%
Ben Venue	900	NN(27) 473077	10.04	6.71	5.21	4.91	4.76	4.43	5.56	6.68	6.98	9.55	8.24	9.13	82.20	Inch
			12.2	8.2	6.3	6.0	5.8	5.4	6.8	8.1	8.5	11.6	10.0	11.1	100.0	%
Glen Finglas	1100	NN(27) 491126	9.51	6.58	5.21	4.87	4.68	4.29	5.48	6.49	7.00	9.40	8.28	8.94	80.73	Inch
			11.8	8.1	6.5	6.0	5.8	5.3	6.8	8.0	8.7	11.6	10.3	11.1	100.0	%
Glen Meann	800	NN(27) 522125	9.49	6.52	5.10	4.75	4.81	4.31	5.10	6.27	6.67	9.42	8.24	9.06	79.74	Inch
			11.9	8.2	6.4	5.9	6.0	5.4	6.4	7.9	8.4	11.8	10.3	11.4	100.0	%
Achnahard	474	NN(27) 527092	8.34	5.70	4.44	4.01	4.07	3.67	4.58	5.57	5.72	8.02	7.06	7.76	68.94	Inch
			12.1	8.3	6.4	5.8	5.9	5.3	6.7	8.1	8.3	11.6	10.2	11.3	100.0	%
Brig O'Turk	275	NN(27) 537063	7.67	5.27	4.07	3.78	3.83	3.55	4.48	5.39	5.55	7.61	6.53	7.04	64.82	Inch
			11.8	8.1	6.3	5.8	6.0	5.5	6.9	8.3	8.6	11.7	10.1	10.9	100.0	%
Loch Drunkie	420	NN(27) 546041	8.09	5.36	4.18	3.76	3.84	3.63	4.53	5.50	5.64	7.73	6.54	7.10	65.90	Inch
			12.3	8.1	6.4	5.7	5.8	5.5	6.9	8.3	8.6	11.7	9.9	10.8	100.0	%
Loch Vennachar	275	NN(27) 598063	6.64	4.64	3.54	3.38	3.76	3.47	4.38	5.28	5.20	6.88	5.80	6.10	59.07	Inch
			11.2	7.9	6.0	5.7	6.4	5.9	7.4	9.0	8.8	11.6	9.8	10.3	100.0	%
Stirling	151	NS(26) 793936	4.55	2.87	2.31	2.17	2.62	2.24	3.15	3.46	3.42	4.17	3.76	3.78	38.50	Inch
			11.8	7.5	6.0	5.6	6.8	5.8	8.2	9.0	8.9	10.8	9.8	9.8	100.0	%
Faughlin Res.	707	NS(26) 741831	6.48	4.81	3.97	3.51	4.01	3.60	4.54	5.41	5.60	6.74	5.95	5.81	60.43	Inch
			10.7	8.0	6.6	5.8	6.6	6.0	7.5	9.0	9.3	11.1	9.8	9.6	100.0	%

TABLE I MONTHLY AND ANNUAL AVERAGES OF RAINFALL (inches) 1916-1950
Forth, Lothians and Tweed River Purification Board Areas

Station	Ht. (Ft)	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	
FORTH (contd.)																
Little Denny Res.	325	NS(26) 799816	5.22	3.70	2.86	2.55	2.98	2.79	3.72	4.29	4.32	5.18	4.65	4.40	46.66	Inch
			11.2	7.9	6.1	5.4	6.4	6.0	8.0	9.2	9.3	11.1	10.0	9.4	100.0	%
Little Denny Filters	243	NS(26) 805820	5.23	3.69	2.86	2.51	3.01	2.75	3.70	4.28	4.34	5.25	4.71	4.42	46.75	Inch
			11.2	7.9	6.1	5.4	6.4	5.9	7.9	9.2	9.3	11.2	10.1	9.4	100.0	%
Falkirk	105	NS(26) 879803	4.10	2.92	2.42	2.05	2.60	2.25	3.22	3.44	3.22	3.93	3.59	3.45	37.19	Inch
			11.0	7.8	6.5	5.5	7.0	6.0	8.7	9.2	8.7	10.6	9.7	9.3	100.0	%
Falkirk, Kerse	18	NS(26) 912817	3.66	2.45	2.12	1.85	2.45	2.05	3.02	3.29	2.96	3.56	3.22	2.96	33.59	Inch
			10.9	7.3	6.3	5.5	7.3	6.1	9.0	9.8	8.8	10.6	9.6	8.8	100.0	%
Laurieston, Inglewood	133	NS(26) 914794	4.03	2.66	2.39	2.06	2.66	2.32	3.40	3.42	3.31	3.97	3.54	3.37	37.13	Inch
			10.9	7.2	6.4	5.5	7.2	6.2	9.2	9.2	8.9	10.7	9.5	9.1	100.0	%
Lochcote	550	NS(26) 974737	3.75	2.57	2.38	2.12	2.74	2.32	3.24	3.41	3.26	3.83	3.44	3.03	36.09	Inch
			10.4	7.1	6.6	5.9	7.6	6.4	9.0	9.5	9.0	10.6	9.5	8.4	100.0	%
Grange	450	NT(36) 000787	3.22	2.23	2.05	1.79	2.60	2.15	3.16	3.36	2.82	3.41	2.91	2.73	32.43	Inch
			9.9	6.9	6.3	5.5	8.0	6.6	9.8	10.4	8.7	10.5	9.0	8.4	100.0	%
Dalmeny House	20	NT(36) 163779	2.55	1.74	1.70	1.66	2.20	1.99	2.97	3.24	2.67	2.89	2.48	2.10	28.19	Inch
			9.0	6.2	6.0	5.9	7.8	7.1	10.5	11.5	9.5	10.3	8.8	7.4	100.0	%
LOTHIANS																
Uphall No. 8	577	NT(36) 024708	3.52	2.38	2.21	2.09	2.52	2.29	3.17	3.45	3.18	3.67	3.29	2.98	34.75	Inch
			10.1	6.8	6.3	6.0	7.3	6.6	9.1	9.9	9.2	10.6	9.5	8.6	100.0	%
Middleton Hall	350	NT(36) 061716	3.43	2.38	2.10	2.06	2.46	2.20	3.13	3.49	3.13	3.56	3.11	2.79	33.84	Inch
			10.1	7.0	6.2	6.1	7.3	6.5	9.3	10.3	9.2	10.2	9.2	8.3	100.0	%
Harperrig	900	NT(36) 102613	4.17	2.90	2.70	2.63	2.90	2.58	3.42	4.03	3.60	4.18	3.80	3.72	40.63	Inch
			10.3	7.1	6.6	6.5	7.1	6.3	8.4	9.9	8.9	10.3	9.4	9.2	100.0	%

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TABLE I MONTHLY AND ANNUAL AVERAGES OF RAINFALL (inches 1916-1950
Forth, Lothians and Tweed River Purification Board Areas

Station	Ht. (Ft)	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	
LOTHIANS (contd.)																
Edinburgh, Blackford Hill	441	NT(36) 259706	2.45 8.9	1.68 6.1	1.60 5.8	1.62 5.9	2.21 8.0	1.88 6.8	3.03 11.0	3.15 11.4	2.55 9.3	2.83 10.3	2.42 8.8	2.11 7.7	27.53 100.0	Inch %
Edinburgh, Astley Ainslie Hospital	270	NT(36) 251713	2.56 9.0	1.76 6.2	1.75 6.1	1.71 6.0	2.27 8.0	1.87 6.5	3.05 10.7	3.24 11.3	2.60 9.1	2.98 10.4	2.47 8.7	2.27 8.0	28.53 100.0	Inch %
Fairmilehead Waterworks	590	NT(36) 249683	2.84 9.1	2.01 6.5	1.91 6.1	1.96 6.3	2.48 8.0	2.15 6.9	3.15 10.1	3.40 10.9	2.91 9.3	3.16 10.1	2.78 8.9	2.43 7.8	31.18 100.0	Inch %
Liberton, Alnwick Hill	407	NT(36) 273690	2.77 9.6	1.83 6.4	1.78 6.2	1.73 6.0	2.27 7.9	1.94 6.8	2.96 10.3	3.06 10.6	2.65 9.2	2.94 10.2	2.58 9.0	2.24 7.8	28.75 100.0	Inch %
Glen Cottage	739	NT(36) 223635	3.73 9.8	2.63 6.9	2.44 6.4	2.54 6.7	2.77 7.3	2.42 6.3	3.62 9.5	3.92 10.3	3.46 9.1	3.83 10.0	3.57 9.4	3.19 8.3	38.12 100.0	Inch %
Glencorse Filters	638	NT(36) 225631	3.53 9.8	2.42 6.7	2.25 6.3	2.42 6.7	2.67 7.4	2.31 6.4	3.39 9.4	3.68 10.2	3.30 9.2	3.68 10.2	3.42 9.5	2.97 8.2	36.04 100.0	Inch %
Martyr's Cross	750	NT(36) 229623	3.64 9.8	2.54 6.8	2.37 6.3	2.36 6.3	2.68 7.2	2.42 6.5	3.50 9.4	3.75 10.1	3.49 9.4	3.87 10.4	3.54 9.5	3.08 8.3	37.24 100.0	Inch %
Gladhouse Res.	915	NT(36) 299544	3.71 9.9	2.68 7.1	2.71 7.2	2.46 6.5	2.74 7.3	2.32 6.2	3.52 9.3	3.68 9.8	3.25 8.6	3.79 10.1	3.59 9.5	3.22 8.5	37.67 100.0	Inch %
Rosebery	750	NT(36) 308570	3.15 9.3	2.33 6.9	2.25 6.7	2.22 6.6	2.46 7.3	2.13 6.3	3.32 9.9	3.42 10.2	3.03 9.0	3.41 10.1	3.19 9.5	2.76 8.2	33.67 100.0	Inch %
North Berwick	51	NT(36) 555852	2.12 8.3	1.48 5.8	1.61 6.3	1.45 5.6	2.11 8.2	1.94 7.5	2.68 10.4	3.06 11.9	2.43 9.5	2.65 10.3	2.34 9.1	1.82 7.1	25.69 100.0	Inch %
West Calder, Addiewell	620	NT(36) 001626	4.00 10.6	2.61 6.9	2.28 6.0	2.29 6.1	2.58 6.8	2.36 6.3	3.34 8.9	3.60 9.6	3.63 9.6	3.98 10.6	3.52 9.3	3.50 9.3	37.69 100.0	Inch %

TABLE I MONTHLY AND ANNUAL AVERAGES OF RAINFALL (inches) 1916-1950
Forth, Lothians, and Tweed River Purification Board Areas

Station	Ht. (Ft)	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	
TWEED																
Talla Linns Foot	966	NT(36) 133203	7.39	4.53	4.03	3.73	3.69	3.64	4.50	5.17	5.01	6.62	6.09	6.64	61.04	Inch
			12.1	7.4	6.6	6.1	6.0	6.0	7.4	8.5	8.2	10.8	10.0	10.9	100.0	%
Victoria Lodge	900	NT(36) 106231	5.91	3.70	3.34	3.12	3.11	2.94	3.71	4.27	4.09	5.57	5.06	5.32	50.14	Inch
			11.8	7.4	6.7	6.2	6.2	5.8	7.4	8.5	8.2	11.1	10.1	10.6	100.0	%
Stobo Castle	594	NT(36) 179368	4.37	2.77	2.40	2.45	2.59	2.40	3.10	3.55	3.31	4.06	3.75	3.75	38.50	Inch
			11.4	7.2	6.2	6.4	6.7	6.2	8.1	9.2	8.6	10.6	9.7	9.7	100.0	%
Cowdenknowes	300	NT(36) 577372	2.97	2.03	1.92	1.83	2.16	1.94	2.88	3.13	2.48	3.19	2.73	2.28	29.54	Inch
			10.1	6.9	6.5	6.2	7.3	6.6	9.7	10.6	8.4	10.8	9.2	7.7	100.0	%
Floors Castle	195	NT(36) 707345	2.28	1.70	1.61	1.57	1.94	1.92	2.79	3.00	2.29	2.66	2.32	1.87	25.95	Inch
			8.8	6.5	6.2	6.1	7.5	7.4	10.7	11.6	8.8	10.3	8.9	7.2	100.0	%
Spital Tower	425	NT(36) 587182	2.97	2.07	1.96	1.91	2.26	2.17	3.05	3.52	2.74	3.17	2.76	2.54	31.12	Inch
			9.5	6.6	6.3	6.1	7.3	7.0	9.8	11.3	8.8	10.2	8.9	8.2	100.0	%
Crailing House	190	NT(36) 687243	2.41	1.74	1.69	1.55	2.01	1.96	2.89	3.27	2.35	2.76	2.45	1.97	27.05	Inch
			8.9	6.4	6.3	5.7	7.4	7.2	10.7	12.1	8.7	10.2	9.1	7.3	100.0	%
Swinton House	200	NT(36) 818470	2.42	1.73	1.80	1.56	2.05	1.92	2.76	3.07	2.33	2.80	2.56	2.01	27.01	Inch
			9.0	6.4	6.6	5.8	7.6	7.1	10.2	11.4	8.6	10.4	9.5	7.4	100.0	%
Duns Castle	450	NT(36) 775538	2.82	2.23	2.17	1.88	2.26	2.11	2.98	3.44	2.63	3.24	3.02	2.38	31.16	Inch
			9.1	7.2	7.0	6.0	7.2	6.8	9.6	11.0	8.4	10.4	9.7	7.6	100.0	%
Marchmont House	498	NT(36) 743484	2.88	2.18	2.12	1.87	2.21	2.02	2.94	3.28	2.58	3.25	2.98	2.36	30.67	Inch
			9.4	7.1	6.9	6.1	7.2	6.6	9.6	10.7	8.4	10.6	9.7	7.7	100.0	%

TABLE II MONTHLY AND ANNUAL AVERAGES OF RAINFALL, 1916-1950, ESTIMATED FOR SHORT-TERM STATIONS
Forth, Lothians and Tweed River Purification Board Areas

Station	N.G.R.	Height (Feet)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year (Inches)
FORTH															
Belliston	NO(37) 500056	270	2.75	1.98	1.89	1.71	2.50	2.07	3.02	3.18	2.81	3.14	2.93	2.53	30.51
Ovenstone Waterworks	NO(37) 538051	168	2.48	1.81	1.67	1.56	2.28	1.92	2.79	2.99	2.53	2.90	2.67	2.25	27.85
Lundin Links	NO(37) 408023	40	2.48	1.78	1.67	1.59	2.18	1.86	2.64	2.76	2.48	2.75	2.53	2.24	26.96
Leven, Silverburn	NO(37) 393019	30	2.51	1.82	1.71	1.56	2.29	1.97	2.96	3.10	2.64	2.79	2.69	2.14	28.18
Ledlanet	NO(37) 078058	650	5.03	3.58	3.02	2.74	3.30	2.88	4.09	4.27	4.04	4.84	4.41	4.27	46.47
Milnathort	NO(37) 124047	476	3.78	2.72	2.36	2.11	2.58	2.29	3.27	3.45	3.20	3.77	3.45	3.34	36.32
Kinross, Muirpark Road	NO(37) 119027	400	4.01	2.89	2.51	2.24	2.74	2.43	3.47	3.74	3.39	4.02	3.66	3.47	38.57
Markinch, Rothes	NO(37) 283015	198	3.17	2.19	2.09	1.96	2.55	2.19	3.24	3.30	2.91	3.36	3.04	2.71	32.71
Woodside	NO(37) 289002	273	3.09	2.13	2.00	1.93	2.55	2.19	3.22	3.29	2.84	3.32	3.00	2.67	32.23
Roscobie Res.	NT(36) 090934	660	3.90	2.91	2.55	2.23	3.11	2.55	3.83	4.07	3.51	4.07	3.71	3.43	39.87
Cowdenbeath S. Wks.	NT(36) 170917	390	3.29	2.45	2.20	1.95	2.83	2.38	3.53	3.67	3.11	3.46	3.21	2.87	34.95
Carriston Res.	NO(37) 327035	290	3.25	2.29	2.12	2.09	2.70	2.33	3.28	3.43	3.11	3.52	3.18	2.91	34.21
Coul Res.	NO(37) 270037	430	3.43	2.40	2.30	2.19	2.69	2.33	3.39	3.50	3.18	3.61	3.29	3.04	35.35
Kirkcaldy, Carberry	NT(36) 284948	321	2.87	2.10	1.91	1.79	2.50	2.13	3.12	3.22	2.84	3.10	3.82	2.47	30.89
Kircaldy, Beveridge Park	NT(36) 272907	106	2.67	1.94	1.82	1.67	2.44	2.10	3.15	3.30	2.82	2.97	2.87	2.28	30.03
Cullaloe Res.	NT(36) 187875	294	2.68	2.00	1.79	1.62	2.41	2.00	3.15	3.20	2.68	2.85	2.68	2.35	29.41
Craigluscar Res.	NT(36) 067906	480	3.73	2.77	2.42	2.15	3.04	2.54	3.77	4.00	3.39	3.89	3.54	3.23	38.47
Tulliallan	NS(26) 936881	90	3.53	2.50	2.13	1.86	2.47	2.10	3.11	3.39	3.01	3.56	3.21	2.98	33.85
Comer	NN(27) 385041	600	10.93	7.43	5.73	5.19	5.10	4.83	6.09	6.98	7.70	10.38	9.22	9.93	89.51
Beinn A'Bhan	NN(27) 399019	1500	11.23	7.64	5.89	5.34	5.34	4.88	6.26	7.18	7.92	10.68	9.39	10.30	92.05

TABLE II MONTHLY AND ANNUAL AVERAGES OF RAINFALL, 1916-1950, ESTIMATED FOR SHORT-TERM STATIONS
Forth, Lothians and Tweed River Purification Board Areas

Station	N.G.R.	Height (Feet)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year (Inches)
FORTH (contd.)															
Cribloch Gardens	NS(26) 634926	530	5.82	3.95	3.19	3.04	3.19	2.94	3.65	4.45	4.45	5.67	4.96	5.32	50.63
Meiklewood	NS(26) 727957	39	5.08	3.39	2.77	2.59	2.77	2.55	3.44	3.97	3.83	4.81	4.32	4.54	44.06
Touch Res. No. 2	NS(26) 735918	704	6.76	4.44	3.73	3.55	3.85	3.49	4.62	5.39	5.21	6.41	5.80	5.98	59.23
Strathyre	NN(27) 560168	425	9.79	6.95	5.25	4.85	4.61	4.12	5.33	6.30	6.63	9.29	8.32	9.39	80.83
Ben Ledi	NN(27) 561085	1300	8.47	5.79	4.51	4.07	4.13	3.73	4.65	5.66	5.81	8.14	7.17	7.88	70.01
Callander	NN(27) 627077	230	7.34	4.97	3.88	3.51	3.58	3.27	4.18	5.09	5.09	6.92	6.18	6.61	60.62
Ochtertyre	NS(26) 751979	14	4.78	3.06	2.61	2.36	2.61	2.36	3.10	3.63	3.59	4.48	3.99	4.20	40.77
Blackford	NN(27) 898081	520	5.40	3.78	3.01	2.82	3.11	2.82	3.73	4.16	4.21	5.21	4.64	4.93	47.82
Dunblane, Old Doune	NN(27) 776011	230	4.85	3.20	2.59	2.34	2.63	2.38	3.08	3.57	3.66	4.48	4.03	4.27	41.08
Bridge of Allan, Road Park Cottage	NS(26) 791972	37	4.33	2.97	2.39	2.21	2.59	2.24	3.00	3.38	3.38	4.11	3.73	3.69	38.02
North Third Res. No.3	NS(26) 733886	989	6.49	4.48	3.56	3.44	3.73	3.39	4.42	5.28	5.05	6.26	5.57	5.74	57.41
" " " No.2	NS(26) 742891	820	6.28	4.33	3.44	3.33	3.61	3.22	4.27	5.05	4.89	6.11	5.44	5.55	55.52
" " " No.1	NS(26) 756896	574	6.18	4.22	3.35	3.25	3.52	3.14	4.22	4.92	4.76	5.84	5.30	5.41	54.11
Glenquey	NN(27) 982029	910	7.38	5.22	4.04	3.79	4.04	3.79	4.72	5.16	5.28	6.52	6.02	6.15	62.11
Tillicoultry Cemetry	NS(26) 925970	80	3.99	2.94	2.38	2.16	2.57	2.27	3.09	3.53	3.35	3.94	3.53	3.46	37.21
Gartmorn Res.	NS(26) 915937	171	3.79	2.56	2.22	1.98	2.66	2.28	3.42	3.63	3.33	3.79	3.46	3.28	36.40
Alloa House	NS(26) 892925	50	3.76	2.54	2.20	1.96	2.64	2.26	3.39	3.60	3.30	3.75	3.43	3.25	36.08
Waterhead	NS(26) 651836	850	7.49	5.40	4.19	4.05	4.32	4.12	5.00	5.94	6.08	7.49	6.75	6.69	67.52
Kirkburn	NS(26) 701839	743	6.92	5.04	3.86	3.73	4.05	3.73	4.73	5.66	5.60	6.78	6.04	6.10	62.24
Craigannet	NS(26) 717839	740	6.83	4.96	3.85	3.72	4.03	3.72	4.78	5.65	5.58	6.82	6.02	6.08	62.04

TABLE II MONTHLY AND ANNUAL AVERAGES OF RAINFALL, 1916-1950, ESTIMATED FOR SHORT-TERM STATIONS
Forth, Lothians and Tweed River Purification Board Areas

Station	N.G.R.	Height (Feet)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year (Inches)
FORTH (contd.)															
Earlsburn Res.	NS(26) 702893	1202	7.17	4.95	3.93	3.87	4.06	3.74	4.76	5.77	5.58	6.98	6.22	6.41	63.44
Buckieburn Res.	NS(26) 742856	824	6.86	4.79	3.76	3.63	3.94	3.63	4.60	5.51	5.45	6.66	5.88	5.88	60.59
" Filters	NS(26) 751851	760	6.81	4.81	3.77	3.65	3.96	3.59	4.69	5.60	5.48	6.70	5.91	5.91	60.88
Grangemouth Park	NS(26) 930816	15	3.69	2.41	2.14	1.87	2.48	2.10	3.09	3.36	2.99	3.59	3.26	2.95	33.93
Bathgate, Northbank Filters	NS(26) 981692	640	4.12	2.72	2.41	2.33	2.79	2.48	3.57	3.76	3.69	4.07	3.57	3.30	38.81
Stonerigg Filters	NS(26) 933676	620	3.87	2.59	2.23	2.15	2.59	2.34	3.29	3.58	3.40	3.98	3.40	3.11	36.53
Carribber Res.	NS(26) 972749	350	3.58	2.49	2.18	2.04	2.67	2.28	3.27	3.41	3.19	3.69	3.23	3.09	35.12
Cockleroi Res.	NS(26) 994749	587	3.62	2.48	2.23	2.09	2.73	2.30	3.33	3.50	3.23	3.66	3.26	3.01	35.44
Preston House	NS(26) 995758	380	3.65	2.47	2.25	2.11	2.79	2.33	3.36	3.54	3.25	3.70	3.29	3.04	35.78
Beecraigs	NT(36) 013743	477	4.00	2.71	2.47	2.35	3.06	2.59	3.69	3.81	3.57	4.05	3.61	3.34	39.25
Craigenroan	NT(36) 001766	290	3.32	2.30	2.11	1.84	2.68	2.21	3.26	3.46	2.91	3.51	3.00	2.81	33.41
LOTHIANS															
West Calder, Westwood	NT(36) 014643	480	3.65	2.39	2.12	2.12	2.43	2.19	3.09	3.33	3.30	3.72	3.26	3.12	34.72
Pateshill Res.	NS(26) 982594	939	4.48	2.92	2.54	2.58	2.87	2.66	3.76	4.06	4.06	4.48	3.93	3.93	42.27
Uphall No. 7	NT(36) 018712	640	3.57	2.41	2.23	2.12	2.58	2.34	3.22	3.50	3.26	3.76	3.36	3.04	35.39
Midcalder	NT(36) 053676	400	3.37	2.25	2.09	2.02	2.42	2.12	3.15	3.21	3.08	3.40	3.05	2.95	33.11
Crosswood	NT(36) 056575	950	4.18	2.84	2.44	2.52	2.80	2.56	3.61	3.90	3.86	4.35	3.82	3.74	40.62
Morton	NT(36) 074632	749	3.89	2.65	2.38	2.38	2.77	2.46	3.54	3.73	3.66	3.97	3.46	3.45	38.45
Turnhouse	NT(36) 159739	114	2.43	1.65	1.56	1.59	2.16	1.86	2.91	3.10	2.54	2.78	2.37	2.02	26.97
East Craigs	NT(36) 183735	200	2.50	1.68	1.60	1.62	2.17	1.92	2.95	3.17	2.59	2.83	2.42	2.06	27.51

TABLE II MONTHLY AND ANNUAL AVERAGES OF RAINFALL, 1916-1950, ESTIMATED FOR SHORT-TERM STATIONS
Forth, Lothians and Tweed River Purification Board Areas

Station	N.G.R.	Height (Feet)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year (Inches)
LOTHIANS (contd.)															
Davidson's Mains	NT(36) 199757	200	2.53	1.83	1.63	1.66	2.25	2.00	2.93	3.14	2.62	2.90	2.45	2.19	28.13
Balerno	NT(36) 147651	700	3.67	2.49	2.30	2.30	2.74	2.37	3.63	3.71	3.45	3.83	3.37	3.23	37.09
Colinton, Firhill Tank	NT(36) 226699	412	2.70	1.97	1.76	1.79	2.29	2.03	2.97	3.21	2.76	3.00	2.59	2.32	39.39
Craiglockart, Craiglockart Avenue	NT(36) 224705	295	2.81	2.05	1.83	1.86	2.38	2.11	3.09	3.34	2.86	3.11	2.70	2.41	30.59
Edinburgh, Royal Botanic Garden	NT(36) 247756	74	2.38	1.71	1.55	1.57	2.19	1.90	2.75	2.96	2.52	2.75	2.35	2.08	26.71
Clubbiedean Res.	NT(36) 203670	773	3.06	2.16	1.96	1.96	2.45	2.16	3.28	3.38	2.99	3.31	2.86	2.61	32.18
Liberton	NT(36) 273705	190	2.62	1.82	1.71	1.71	2.28	1.97	2.94	3.14	2.65	2.94	2.51	2.22	28.51
" , The Inch	NT(36) 277708	150	2.72	1.89	1.77	1.77	2.36	2.04	3.04	3.26	2.75	3.04	2.60	2.30	29.54
Edinburgh, Fountainhall Road	NT(36) 262715	225	2.59	1.79	1.68	1.71	2.28	1.96	2.93	3.11	2.67	2.90	2.50	2.33	28.45
Portobello, Milton Road West	NT(36) 302728	100	2.40	1.68	1.57	1.57	2.16	1.90	2.78	3.04	2.48	2.75	2.32	2.06	26.71
North Esk Res.	NT(36) 154578	1150	4.28	3.01	2.67	2.54	3.05	2.71	3.94	4.11	3.94	4.37	3.90	3.86	42.38
Penicuik	NT(36) 233599	620	3.66	2.57	2.35	2.20	2.76	2.46	3.62	3.78	3.40	3.84	3.40	3.28	37.32
Harehill	NT(36) 183615	1297	3.86	2.69	2.38	2.42	2.85	2.50	3.78	3.90	3.59	4.03	3.55	3.47	39.02
Loganlea	NT(36) 199626	811	3.78	2.62	2.39	2.35	2.85	2.51	3.74	3.99	3.55	3.97	3.48	3.36	38.59
Bush House	NT(36) 244636	605	3.35	2.35	2.28	2.25	2.71	2.39	3.57	3.78	3.28	3.67	3.17	2.85	35.65
Portmore Res.	NT(36) 260507	1000	3.76	2.71	2.37	2.41	2.75	2.37	3.46	3.65	3.35	3.88	3.54	3.39	37.64
Gorebridge	NT(36) 344618	560	2.86	2.05	1.90	1.93	2.32	1.93	2.98	3.12	2.71	3.07	2.77	2.47	30.11
Newbattle	NT(36) 337649	300	2.56	1.81	1.71	1.71	2.15	1.84	2.81	2.96	2.47	2.83	2.45	2.20	27.50
East Fortune Hospital	NT(36) 553793	101	2.24	1.44	1.57	1.49	2.04	1.84	2.50	2.82	2.24	2.54	2.24	1.94	24.90

TABLE II MONTHLY AND ANNUAL AVERAGES OF RAINFALL, 1916-1950, ESTIMATED FOR SHORT-TERM STATIONS
Forth, Lothians and Tweed River Purification Board Areas

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LOTHIANS (contd.)															
North Berwick, Netherheugh	NT(36) 562846	120	2.20	1.45	1.55	1.40	2.05	1.87	2.57	2.86	2.32	2.57	2.27	1.87	24.98
Ford	NT(36) 387644	420	2.53	1.79	1.73	1.73	2.15	1.79	2.78	2.93	2.45	2.89	2.51	2.26	27.54
West Hopes	NT(36) 551622	810	3.48	2.46	2.35	2.35	2.90	2.42	3.26	3.70	3.19	3.80	3.56	3.19	36.66
Lammerloch Res.	NT(36) 517634	900	3.21	2.23	2.20	2.16	2.63	2.30	3.04	3.45	3.01	3.51	3.21	2.84	33.79
Haddington	NT(36) 513736	161	2.25	1.56	1.61	1.56	2.07	1.79	2.59	2.90	2.25	2.67	2.35	2.00	25.60
East Linton, Smeaton	NT(36) 594786	100	2.28	1.58	1.63	1.58	2.10	1.82	2.63	2.95	2.28	2.72	2.39	2.03	25.99
Donolly Res.	NT(36) 580690	532	2.82	1.93	1.96	1.93	2.44	2.08	2.82	3.34	2.73	3.19	2.88	2.51	30.63
Thorter Res.	NT(36) 607695	725	2.75	1.91	1.97	1.91	2.39	2.09	2.81	3.30	2.66	3.15	2.84	2.48	30.26
Dunbar	NT(36) 672791	75	1.99	1.38	1.48	1.38	1.90	1.73	2.37	2.71	2.11	2.41	2.18	1.81	23.45
TWEED															
Redheugh	NT(36) 822699	288	2.32	1.73	1.82	1.65	2.18	2.04	2.83	3.25	2.49	2.97	2.66	2.04	27.98
St. Abb's Head	NT(36) 914693	245	2.29	1.71	1.79	1.62	2.15	2.01	2.78	3.20	2.45	2.92	2.62	2.01	27.55
Garelot Dod	NT(36) 126175	2200	8.67	5.93	5.12	5.20	5.76	5.04	7.23	7.71	7.15	8.28	7.63	7.32	81.04
Fruid Farm	NT(36) 108182	1020	6.72	4.11	3.44	3.39	3.50	3.33	4.39	4.89	4.61	5.90	5.50	5.66	55.44
Ballaman Hill	NT(36) 095149	1700	7.71	4.73	3.96	3.89	4.02	3.83	5.04	5.62	5.30	6.88	6.31	6.50	63.79
Shiel Hope	NT(36) 092188	1300	6.77	4.14	3.47	3.42	3.53	3.36	4.42	4.93	4.65	6.03	5.54	5.69	55.95
Hawkshaw	NT(36) 085204	1100	6.59	3.97	3.30	3.25	3.36	3.19	4.25	4.76	4.49	5.85	5.37	5.52	53.90
The Rig	NT(36) 090221	1150	6.12	3.79	3.17	3.17	3.38	3.07	3.79	4.56	4.19	5.58	5.16	5.16	51.14
Quarter Hill	NT(36) 097235	1196	6.13	3.80	3.18	3.18	3.39	3.07	3.80	4.57	4.20	5.59	5.17	5.17	51.25
Ravenscraig	NT(36) 142140	2258	10.40	6.22	5.29	5.20	5.29	5.12	6.48	7.50	7.00	9.29	8.53	8.97	85.29

TABLE II MONTHLY AND ANNUAL AVERAGES OF RAINFALL, 1916-1950, ESTIMATED FOR SHORT-TERM STATIONS
Forth, Lothians and Tweed River Purification Board Areas

Station	N.G.R.	Height (Feet)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year (Inches)
TWEED (contd.)															
Gameshope Loch	NT(36) 132162	1900	10.22	6.05	5.12	5.03	5.12	4.95	6.30	7.33	6.83	9.12	8.36	8.80	83.23
Gameshope Farm	NT(36) 139176	1538	9.55	5.86	4.91	4.91	4.75	4.75	6.10	7.04	6.49	8.62	7.99	8.14	79.11
Nether Garelet	NT(36) 114209	1700	7.51	4.56	3.76	3.57	3.76	3.69	4.56	5.42	5.05	6.71	6.28	6.71	61.58
Dun Law	NT(36) 176264	2500	9.15	5.79	5.08	5.01	5.08	4.77	6.36	7.16	6.68	8.57	7.87	7.95	79.47
Stanhope Farm	NT(36) 123296	741	5.16	3.27	2.87	2.83	2.87	2.69	3.59	4.04	3.77	4.84	4.44	4.49	44.86
Baddingsgill	NT(36) 126554	1100	4.79	3.28	3.04	2.94	3.37	2.99	4.43	4.69	4.42	4.89	4.42	4.23	47.49
West Linton	NT(36) 150520	800	3.96	2.72	2.52	2.44	2.80	2.48	3.71	3.91	3.66	4.02	3.66	3.51	39.39
West Linton, Woodlea Cottage	NT(36) 159507	801	3.89	2.64	2.29	2.33	2.60	2.40	3.37	3.63	3.03	3.93	3.51	3.40	37.02
Blyth Bridge	NT(36) 141463	830	3.80	2.57	2.28	2.31	2.53	2.24	3.18	3.43	3.25	3.72	3.43	3.40	36.14
Peebles, Kingsmeadows	NT(36) 260397	525	3.63	2.43	2.10	2.10	2.34	2.03	2.93	3.14	2.93	3.47	3.14	3.07	33.31
Glentress	NT(36) 285397	580	3.29	2.19	1.92	1.92	2.16	1.89	2.50	2.83	2.62	3.26	2.95	2.92	30.45
Elibank	NT(36) 396367	440	3.48	2.43	2.24	2.24	2.52	2.11	3.07	3.39	3.00	3.59	3.29	3.11	34.47
Caddon Head	NT(36) 401410	1050	3.88	2.77	2.50	2.50	2.81	2.35	3.42	3.77	3.35	4.01	3.66	3.46	38.48
Craig Head	NT(36) 417403	900	3.92	2.80	2.53	2.53	2.84	2.38	3.46	3.81	3.38	4.05	3.70	3.50	38.90
Fairnielee	NT(36) 456332	450	3.60	2.38	2.16	2.20	2.46	2.06	2.99	3.36	2.86	3.53	3.09	3.02	33.71
Ettrick Manse	NT(36) 282153	785	6.57	4.48	3.56	3.56	3.85	3.62	4.65	5.18	4.89	5.94	5.58	5.65	57.53
Ettrick School	NT(36) 266145	745	6.78	4.61	3.67	3.67	3.96	3.73	4.79	5.33	5.04	6.13	5.75	5.82	59.24
Thirlestane Castle	NT(36) 282153	785	6.65	4.53	3.60	3.60	3.90	3.66	4.70	5.24	4.95	6.01	5.65	5.72	58.21
Bowhill	NT(36) 427273	600	3.70	2.47	2.23	2.09	2.43	2.16	2.92	3.26	2.85	3.64	3.29	3.26	34.30
Megget Head	NT(36) 152199	1496	8.07	5.05	4.23	4.23	4.10	4.10	5.46	6.01	5.60	7.31	6.76	7.38	68.30
Loch Craig Head	NT(36) 167176	2627	9.60	6.03	5.06	5.06	4.90	4.90	6.52	7.18	6.69	8.71	8.07	8.80	81.52

TABLE II MONTHLY AND ANNUAL AVERAGES OF RAINFALL, 1916-1950, ESTIMATED FOR SHORT-TERM STATIONS
Forth, Lothians and Tweed River Purification Board Areas

Station	N.G.R.	Height (Feet)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year (Inches)
TWEED (contd.)															
Stow	NT(36) 457454	642	3.69	2.62	2.37	2.37	2.62	2.22	3.21	3.58	3.17	3.80	3.46	3.32	36.43
Knowsdean Res.	NT(36) 437393	892	3.76	2.63	2.37	2.37	2.65	2.22	3.25	3.68	3.19	3.83	3.48	3.36	36.79
Carolside	NT(36) 563401	350	2.98	2.04	1.92	1.83	2.17	1.94	2.88	3.15	2.49	3.20	2.74	2.29	29.63
Craik	NT(36) 345084	725	5.98	4.07	3.33	3.38	3.65	3.38	4.28	5.08	4.60	5.50	4.81	4.81	52.83
Hawick S. Wks.	NT(36) 512156	315	3.38	2.26	2.13	2.00	2.29	2.20	2.88	3.27	2.81	3.37	2.91	2.85	32.35
Wauchope	NT(36) 587097	560	3.53	2.42	2.42	2.17	2.50	2.50	3.17	3.82	3.17	3.63	3.14	3.17	35.64
Monteviot House	NT(36) 643250	210	2.46	1.77	1.83	1.66	2.02	1.96	2.77	3.30	2.38	2.83	2.43	2.27	27.68
Jedburgh, Jedneuk	NT(36) 656234	270	2.38	1.69	1.75	1.59	1.94	1.88	2.69	3.22	2.30	2.75	2.35	2.19	26.73
Lochton	NT(36) 776389	120	2.47	1.80	1.73	1.60	1.86	1.80	2.53	2.78	2.19	2.68	2.34	1.98	25.76
Old Graden	NT(36) 798299	500	2.63	1.95	1.86	1.83	2.25	2.22	3.20	3.47	2.64	3.08	2.66	2.16	29.95
Tweedhill	NT(36) 929513	50	2.41	1.72	1.80	1.56	2.04	1.91	2.75	3.06	2.32	2.79	2.55	2.00	26.91
Whitchester	NT(36) 721589	838	3.03	2.36	2.12	2.02	2.43	2.36	3.34	3.78	2.86	3.54	3.24	2.63	33.71
Manderston House	NT(36) 809547	353	2.80	2.18	1.96	1.87	2.24	2.18	3.08	3.50	2.65	3.27	2.99	2.43	31.15

TABLE III Accumulated Mean Daily Rainfall, in inches, 1916-1950
TOUCH RES. No. 3 (Old Site)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	.27	6.36	10.23	13.51	16.63	20.13	23.18	27.20	32.07	36.67	42.38	47.53
2	.55	6.53	10.31	13.60	16.71	20.23	23.32	27.33	32.26	36.85	42.58	47.77
3	.74	6.69	10.42	13.71	16.78	20.35	23.47	27.38	32.44	37.04	42.74	47.91
4	.90	6.86	10.54	13.82	16.96	20.47	23.65	27.51	32.67	37.20	42.99	48.07
5	1.06	7.06	10.71	13.94	17.13	20.59	23.77	27.62	32.74	37.45	43.19	48.23
6	1.26	7.26	10.79	14.01	17.28	20.76	23.89	27.74	32.90	37.60	43.34	48.39
7	1.50	7.42	10.88	14.16	17.36	20.89	24.06	28.02	33.06	37.81	43.50	48.53
8	1.71	7.62	10.99	14.30	17.45	21.00	24.18	28.24	33.15	38.06	43.68	48.65
9	2.05	7.81	11.06	14.40	17.53	21.11	24.31	28.37	33.30	38.36	43.81	48.82
10	2.24	7.95	11.13	14.53	17.60	21.21	24.44	28.55	33.42	38.56	43.98	48.98
11	2.42	8.09	11.19	14.62	17.67	21.28	24.54	28.69	33.55	38.70	44.15	49.12
12	2.65	8.22	11.26	14.76	17.77	21.37	24.69	28.80	33.69	38.85	44.30	49.26
13	2.83	8.32	11.28	14.88	17.92	21.45	24.87	28.93	33.87	39.00	44.46	49.40
14	3.03	8.46	11.35	15.07	18.03	21.57	24.96	29.08	34.03	39.13	44.68	49.59
15	3.17	8.65	11.48	15.20	18.15	21.65	25.11	29.25	34.18	39.27	44.78	49.80
16	3.33	8.75	11.65	15.32	18.22	21.75	25.20	29.45	34.45	39.43	44.92	49.98
17	3.53	8.80	11.77	15.42	18.38	21.83	25.30	29.72	34.69	39.66	45.06	50.13
18	3.68	8.92	11.92	15.47	18.48	21.92	25.43	29.85	34.82	39.82	45.29	50.32
19	3.91	9.05	12.11	15.57	18.54	22.00	25.52	30.00	35.01	39.95	45.51	50.52
20	4.09	9.14	12.24	15.65	18.65	22.09	25.69	30.26	35.19	40.13	45.69	50.70
21	4.27	9.27	12.34	15.75	18.77	22.20	25.81	30.45	35.33	40.34	45.81	50.85
22	4.46	9.38	12.40	15.89	18.91	22.33	25.92	30.55	35.49	40.51	45.97	51.00
23	4.64	9.45	12.50	16.03	19.01	22.46	26.04	30.71	35.58	40.72	46.27	51.11
24	4.91	9.54	12.55	16.20	19.11	22.52	26.16	30.81	35.71	40.93	46.44	51.25
25	5.09	9.67	12.63	16.31	19.21	22.60	26.26	31.01	35.86	41.14	46.61	51.52
26	5.26	9.80	12.74	16.38	19.40	22.69	26.35	31.15	36.00	41.35	46.76	51.80
27	5.38	9.92	12.84	16.46	19.55	22.82	26.49	31.32	36.10	41.50	46.88	51.96
28	5.55	10.00	12.92	16.50	19.66	22.93	26.67	31.49	36.22	41.63	47.02	52.20
29	5.73	10.14	13.07	16.54	19.73	23.01	26.79	31.63	36.30	41.85	47.15	52.42
30	5.85		13.24	16.57	19.84	23.07	26.96	31.73	36.45	42.02	47.35	52.60
31	6.14		13.41		19.99		27.08	31.88		42.17		52.77

TABLE III Accumulated Mean Daily Rainfall, in inches, 1916-1950

EDINBURGH, BLACKFORD HILL

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	.14	2.52	4.18	5.78	7.38	9.65	11.51	14.55	17.73	20.28	23.07	25.49
2	.23	2.59	4.21	5.83	7.41	9.73	11.60	14.61	17.81	20.37	23.19	25.58
3	.31	2.66	4.26	5.88	7.45	9.81	11.67	14.64	17.89	20.46	23.29	25.64
4	.42	2.73	4.31	5.92	7.59	9.88	11.85	14.69	17.97	20.54	23.39	25.69
5	.46	2.79	4.40	5.96	7.70	9.95	11.93	14.73	18.01	20.67	23.49	25.76
6	.54	2.85	4.43	5.99	7.78	10.03	12.05	14.87	18.09	20.76	23.59	25.82
7	.64	2.91	4.46	6.06	7.85	10.08	12.23	15.03	18.18	20.86	23.70	25.87
8	.70	2.99	4.50	6.10	7.92	10.14	12.31	15.19	18.22	20.98	23.77	25.93
9	.79	3.05	4.55	6.15	7.96	10.21	12.44	15.26	18.34	21.10	23.85	26.01
10	.87	3.11	4.58	6.20	8.00	10.28	12.55	15.32	18.39	21.21	23.90	26.06
11	.94	3.16	4.64	6.27	8.07	10.33	12.65	15.38	18.47	21.26	23.98	26.14
12	.99	3.19	4.69	6.32	8.13	10.39	12.69	15.57	18.53	21.33	24.06	26.19
13	1.07	3.22	4.74	6.36	8.21	10.45	12.88	15.64	18.63	21.40	24.13	26.26
14	1.16	3.29	4.77	6.43	8.26	10.54	12.95	15.81	18.71	21.43	24.22	26.31
15	1.22	3.37	4.81	6.48	8.37	10.59	13.03	15.92	18.79	21.47	24.30	26.36
16	1.30	3.40	4.91	6.54	8.40	10.63	13.15	16.02	18.91	21.53	24.37	26.43
17	1.38	3.43	4.96	6.62	8.50	10.68	13.32	16.23	19.04	21.64	24.49	26.48
18	1.46	3.51	5.02	6.66	8.56	10.74	13.44	16.33	19.13	21.72	24.60	26.50
19	1.53	3.57	5.07	6.72	8.59	10.78	13.53	16.43	19.28	21.76	24.66	26.59
20	1.61	3.63	5.12	6.77	8.68	10.84	13.60	16.59	19.39	21.84	24.71	26.68
21	1.70	3.68	5.17	6.83	8.76	10.93	13.68	16.68	19.49	21.97	24.78	26.76
22	1.76	3.74	5.21	6.91	8.87	11.02	13.72	16.74	19.62	22.08	24.83	26.83
23	1.85	3.78	5.26	6.98	8.94	11.06	13.76	16.80	19.66	22.25	24.92	26.87
24	1.93	3.81	5.28	7.04	9.02	11.12	13.81	16.90	19.75	22.35	24.97	26.93
25	2.01	3.85	5.34	7.09	9.08	11.17	13.86	17.00	19.81	22.50	25.06	27.04
26	2.07	3.93	5.39	7.14	9.15	11.21	13.95	17.10	19.89	22.58	25.13	27.11
27	2.12	4.00	5.45	7.20	9.23	11.29	14.12	17.21	19.97	22.64	25.16	27.16
28	2.21	4.05	5.52	7.26	9.34	11.35	14.24	17.35	20.07	22.72	25.28	27.25
29	2.30	4.13	5.59	7.31	9.38	11.41	14.33	17.48	20.10	22.83	25.34	27.38
30	2.34		5.66	7.35	9.48	11.44	14.40	17.56	20.17	22.92	25.42	27.47
31	2.45		5.73		9.56		14.47	17.62		23.00		27.53

TABLE III Accumulated Mean Daily Rainfall, in inches, 1916-1950

GLEN COTTAGE

Date	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1	.19	3.83	6.45	8.90	11.38	14.21	16.63	20.25	24.21	27.68	31.47	35.02
2	.33	3.91	6.50	9.01	11.42	14.35	16.75	20.33	24.32	27.78	31.65	35.13
3	.45	4.00	6.57	9.10	11.46	14.44	16.88	20.36	24.43	27.91	31.85	35.24
4	.64	4.10	6.64	9.18	11.57	14.51	17.10	20.44	24.57	28.02	32.00	35.37
5	.73	4.20	6.76	9.21	11.72	14.58	17.23	20.52	24.65	28.20	32.12	35.48
6	.84	4.29	6.82	9.26	11.84	14.67	17.35	20.68	24.75	28.30	32.25	35.57
7	1.01	4.39	6.88	9.36	11.94	14.74	17.54	20.89	24.86	28.41	32.34	35.64
8	1.10	4.52	6.95	9.43	12.05	14.82	17.63	21.09	24.94	28.54	32.43	35.71
9	1.23	4.61	7.04	9.50	12.10	14.91	17.73	21.18	25.06	28.71	32.57	35.82
10	1.34	4.69	7.09	9.59	12.13	14.98	17.86	21.26	25.15	28.89	32.68	35.88
11	1.43	4.78	7.17	9.68	12.24	15.02	17.96	21.35	25.24	28.96	32.79	35.98
12	1.57	4.84	7.30	9.76	12.32	15.10	18.04	21.59	25.34	29.03	32.92	36.04
13	1.69	4.88	7.38	9.83	12.43	15.19	18.24	21.69	25.50	29.14	33.03	36.17
14	1.84	5.00	7.41	9.94	12.50	15.32	18.32	21.87	25.61	29.20	33.16	36.25
15	1.93	5.12	7.47	10.04	12.63	15.39	18.43	22.03	25.71	29.28	33.27	36.34
16	2.04	5.17	7.61	10.14	12.70	15.45	18.56	22.17	25.86	29.36	33.33	36.43
17	2.17	5.23	7.68	10.25	12.82	15.49	18.72	22.41	26.06	29.50	33.49	36.50
18	2.29	5.36	7.78	10 33	12.90	15.58	18.86	22.51	26.19	29.60	33.64	36.61
19	2.40	5.45	7.86	10.44	12.97	15.64	18.97	22.60	26.37	29.68	33.74	36.72
20	2.52	5.53	7.95	10.52	13.06	15.72	19.08	22.80	26.51	29.78	33.83	36.83
21	2.61	5.62	8.02	10.61	13.16	15.80	19.19	22.95	26.64	29.94	33.96	36.93
22	2.69	5.71	8.08	10.72	13.28	15.92	19.26	23.05	26.87	30.07	34.06	37.04
23	2.83	5.80	8.14	10.81	13.37	15.96	19.32	23.13	26.95	30.27	34.21	37.11
24	2.96	5.85	8.18	10.88	13.47	16.04	19.38	23.24	27.06	30.42	34.32	37.20
25	3.06	5.91	8.27	10.98	13.55	16.10	19.45	23.36	27.17	30.64	34.45	37.37
26	3.16	6.02	8.34	11.04	13.66	16.17	19.57	23.47	27.26	30.75	34.54	37.48
27	3.24	6.12	8.42	11.11	13.76	16.29	19.68	23.58	27.32	30.84	34.60	37.53
28	3.36	6.19	8.49	11.19	13.86	16.39	19.81	23.74	27.40	30.94	34.71	37.67
29	3.49	6.36	8.60	11.28	13.93	16.46	19.91	23.88	27.44	31.10	34.81	37.85
30	3.55		8.69	11.34	14.01	16.53	20.02	23.98	27.53	31.25	34.93	38.03
31	3.73		8.80		14.11		20.15	24.07		31.36		38.12

TABLE III Accumulated Mean Daily Rainfall, in inches, 1916-1950

SPITAL TOWER

Date	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1	.15	3.05	5.14	7.06	8.94	11.27	13.43	16.50	20.04	22.72	25.93	28.66
2	.26	3.12	5.19	7.16	8.99	11.34	13.50	16.60	20.12	22.80	26.04	28.75
3	.34	3.18	5.24	7.23	9.05	11.41	13.60	16.64	20.23	22.91	26.15	28.80
4	.47	3.24	5.29	7.28	9.13	11.47	13.74	16.73	20.38	23.01	26.28	28.90
5	.51	3.32	5.40	7.35	9.24	11.55	13.86	16.84	20.41	23.12	26.38	29.00
6	.61	3.39	5.45	7.38	9.33	11.64	13.93	16.98	20.48	23.19	26.46	29.07
7	.72	3.45	5.50	7.44	9.40	11.70	14.03	17.07	20.57	23.30	26.53	29.16
8	.81	3.51	5.55	7.47	9.48	11.81	14.12	17.24	20.63	23.41	26.61	29.23
9	.95	3.58	5.61	7.54	9.51	11.88	14.18	17.33	20.76	23.56	26.70	29.30
10	1.07	3.66	5.65	7.61	9.55	11.94	14.26	17.43	20.84	23.66	26.77	29.35
11	1.15	3.74	5.71	7.69	9.62	11.98	14.33	17.55	20.87	23.76	26.86	29.45
12	1.27	3.78	5.80	7.76	9.70	12.04	14.41	17.78	20.98	23.81	27.01	29.50
13	1.37	3.80	5.86	7.82	9.77	12.13	14.60	17.88	21.09	23.92	27.08	29.58
14	1.47	3.88	5.89	7.89	9.82	12.23	14.68	17.98	21.17	23.97	27.16	29.60
15	1.54	3.95	5.93	7.96	9.91	12.28	14.75	18.06	21.26	24.03	27.23	29.75
16	1.65	4.01	6.02	8.01	9.98	12.34	14.90	18.19	21.36	24.08	27.31	29.83
17	1.75	4.06	6.08	8.08	10.07	12.40	15.03	18.37	21.47	24.20	27.43	29.89
18	1.84	4.14	6.13	8.14	10.13	12.49	15.16	18.44	21.54	24.27	27.57	29.98
19	1.92	4.21	6.22	8.20	10.20	12.54	15.22	18.51	21.70	24.36	27.67	30.03
20	2.01	4.27	6.29	8.26	10.28	12.62	15.31	18.64	21.81	24.43	27.72	30.13
21	2.07	4.33	6.34	8.32	10.36	12.72	15.39	18.75	21.91	24.50	27.85	30.21
22	2.14	4.41	6.40	8.40	10.45	12.83	15.47	18.85	22.01	24.66	27.93	30.30
23	2.21	4.46	6.45	8.48	10.51	12.87	15.54	18.94	22.08	24.81	28.04	30.34
24	2.30	4.51	6.49	8.54	10.59	12.93	15.62	19.01	22.19	24.94	28.15	30.41
25	2.38	4.58	6.56	8.61	10.66	12.97	15.71	19.13	22.28	25.13	28.23	30.52
26	2.47	4.68	6.63	8.68	10.75	13.02	15.84	19.30	22.35	25.25	28.30	30.62
27	2.55	4.79	6.72	8.76	10.81	13.10	15.99	19.41	22.39	25.37	28.34	30.66
28	2.64	4.87	6.77	8.82	10.90	13.17	16.12	19.53	22.46	25.46	28.43	30.80
29	2.74	5.04	6.88	8.88	10.98	13.27	16.24	19.73	22.51	25.60	28.48	30.95
30	2.80		6.92	8.91	11.04	13.34	16.29	19.85	22.65	25.72	28.58	31.06
21	2.97		7.00		11.17		16.39	19.91		25.82		31.12

TABLE III Accumulated Mean Daily Rainfall, in inches, 1916-1950

MARCHMONT HOUSE

Date	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1	.14	2.95	5.17	7.23	9.09	11.36	13.36	16.34	19.63	22.14	25.45	28.35
2	.21	3.05	5.23	7.28	9.14	11.44	13.43	16.40	19.68	22.21	25.57	28.42
3	.27	3.12	5.29	7.38	9.21	11.50	13.49	16.43	19.79	22.30	25.70	28.48
4	.40	3.21	5.33	7.42	9.32	11.55	13.63	16.51	19.89	22.41	25.82	28.58
5	.45	3.28	5.46	7.45	9.44	11.60	13.74	16.57	19.92	22.53	25.92	28.64
6	.56	3.36	5.49	7.47	9.56	11.66	13.84	16.71	19.98	22.60	25.99	28.70
7	.65	3.41	5.55	7.51	9.63	11.71	13.95	16.80	20.07	22.70	26.05	28.76
8	.76	3.48	5.61	7.56	9.74	11.78	14.02	16.98	20.10	22.80	26.13	28.81
9	.87	3.54	5.69	7.64	9.78	11.84	14.10	17.04	20.23	22.95	26.24	28.92
10	.98	3.60	5.75	7.70	9.83	11.90	14.19	17.10	20.29	23.04	26.32	28.97
11	1.05	3.65	5.85	7.76	9.90	11.94	14.24	17.20	20.33	23.10	26.43	29.07
12	1.15	3.69	5.95	7.84	9.99	12.02	14.28	17.45	20.42	23.16	26.56	29.13
13	1.22	3.73	6.04	7.88	10.07	12.10	14.44	17.58	20.53	23.25	26.63	29.22
14	1.31	3.82	6.08	7.96	10.12	12.22	14.54	17.69	20.60	23.27	26.71	29.29
15	1.38	3.89	6.14	8.05	10.19	12.28	14.67	17.79	20.68	23.32	26.79	29.38
16	1.49	3.95	6.24	8.10	10.24	12.35	14.76	17.92	20.79	23.39	26.87	29.48
17	1.57	4.01	6.30	8.21	10.31	12.41	14.90	18.05	20.89	23.49	27.02	29.54
18	1.70	4.08	6.36	8.26	10.35	12.48	15.04	18.12	20.96	23.57	27.22	29.60
19	1.76	4.13	6.43	8.32	10.41	12.53	15.10	18.19	21.13	23.63	27.34	29.66
20	1.86	4.20	6.51	8.39	10.48	12.59	15.19	18.35	21.25	23.71	27.43	29.74
21	1.93	4.26	6.56	8.46	10.55	12.70	15.26	18.46	21.36	23.85	27.55	29.82
22	2.02	4.33	6.61	8.52	10.61	12.79	15.34	18.55	21.46	23.98	27.64	29.92
23	2.10	4.39	6.66	8.59	10.65	12.83	15.42	18.62	21.53	24.19	27.75	29.97
24	2.17	4.45	6.69	8.65	10.73	12.88	15.51	18.68	21.63	24.31	27.82	30.03
25	2.28	4.53	6.75	8.73	10.80	12.95	15.62	18.77	21.72	24.50	27.93	30.12
26	2.37	4.64	6.82	8.78	10.89	13.01	15.69	18.92	21.80	24.64	28.00	30.21
27	2.45	4.77	6.89	8.86	10.97	13.08	15.81	19.06	21.84	24.79	28.07	30.23
28	2.54	4.85	6.95	8.93	11.05	13.15	15.96	19.17	21.92	24.92	28.17	30.34
29	2.63	5.06	7.06	9.02	11.09	13.22	16.05	19.32	21.97	25.11	28.22	30.48
30	2.72		7.10	9.05	11.15	13.28	16.13	19.43	22.08	25.23	28.31	30.62
31	2.88		7.18		11.26		16.22	19.50		25.33		30.67

TABLE IV Accumulated Frequencies of Daily Rainfall, in inches, 1916-1950

TOUCH RESERVOIR No. 3 (Old Site)

Daily totals	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	All Months
3.10								1					1
2.90								2					2
2.50								2					2
2.40								2					2
2.30								2				1	3
2.20								2	1			1	4
2.10						1		2	1			1	5
2.00						2	1	2	2			1	8
1.90				1		3	1		3	1		1	12
1.80	1			1		3	1	2	3	1	2	2	16
1.70	1			2		3	1	3	4	1	2	2	19
1.60	1	1		2		3	1	4	4	2	3	3	24
1.50	2	3		2		4	1	7	4	6	6	4	39
1.40	5	3		2		4	2	7	7	11	7	5	53
1.30	7	4	1	3		5	3	9	11	12	13	6	74
1.20	12	6	3	4	1	6	6	11	14	17	15	11	106
1.10	18	9	4	8	4	6	9	14	18	20	17	16	143
1.00	30	15	7	16	6	10	14	19	23	25	27	21	213
0.90	44	21	10	20	12	12	20	26	37	40	38	34	314
0.80	63	31	20	26	20	19	27	39	45	58	55	53	456
0.70	92	43	23	33	32	25	40	48	53	80	68	76	613
0.60	121	63	40	40	46	30	52	69	68	104	98	97	828
0.50	162	86	64	61	64	47	72	96	90	141	133	126	1142
0.40	218	113	92	88	90	69	112	140	135	193	171	178	1599
0.30	277	161	139	124	146	109	154	184	174	247	222	239	2176
0.20	373	261	219	175	204	175	231	259	264	316	283	325	3085
0.10	495	369	310	284	321	281	348	373	380	443	404	460	4468
0.005	763	617	609	573	575	573	638	663	636	712	701	741	7801
* 0.004	322	372	476	477	510	477	447	422	414	373	349	344	4983
Total No. of Days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days

TABLE IV Accumulated Frequencies of Daily Rainfall, in inches, 1916-1950

EDINBURGH, BLACKFORD HILL

Daily totals	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	All Months
2.90								1					1
2.80								2					2
2.70								2					2
2.60							1	2					3
2.50							1	2					3
2.40							1	2					3
2.30							1	3					4
2.20							1	3					4
2.10							1	3					4
2.00							1	3	1				5
1.90							1	3	1				5
1.80							2	3	1				6
1.70							2	3	1				6
1.60	1						3	5	1				10
1.50	1				1		4	7	2	2	1		18
1.40	1				2		5	9	4	2	1		24
1.30	1				3	1	7	9	5	2	2		30
1.20	1		1	1	5	1	8	10	8	2	2		39
1.10	1	1	2	1	5	2	9	12	8	3	2		46
1.00	1	1	2	1	6	3	12	14	9	4	3	1	57
0.90	2	1	2	3	8	6	19	16	13	6	6	2	84
0.80	2	1	3	5	12	10	25	19	15	10	11	3	116
0.70	7	5	6	9	17	12	27	28	24	14	13	4	166
0.60	15	7	10	11	20	16	39	39	27	26	17	9	236
0.50	29	12	15	16	26	23	59	57	38	41	27	19	362
0.40	41	24	28	21	41	37	73	72	57	72	44	36	546
0.30	76	45	48	38	72	60	106	105	90	108	74	59	881
0.20	143	87	75	77	121	110	162	157	136	165	133	117	1483
0.10	275	192	154	185	233	191	256	281	236	278	272	244	2797
0.005	696	592	605	589	577	529	607	622	601	661	668	651	7398
* $\leq$ 0.004	389	397	480	461	508	521	478	463	449	424	382	434	5386
Total No. of Days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days

TABLE IV Accumlated Frequencies of Daily Rainfall, in inches, 1916-1950

GLEN COTTAGE

Daily totals	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	All Months
3.80									1				1
3.60									1				1
3.50								1	1				2
3.30								1	1				2
3.20								3	1				4
2.50								3	1				4
2.40							1	3	1	1			6
2.30							1	3	1	1			6
2.20							1	3	1	1			6
2.10							1	4	1	1			7
2.00							1	4	2	1			8
1.90		1					1	4	2	1		1	10
1.80		1			1	1	1	4	2	1	1	1	13
1.70		1		1	1	1	1	4	3	1	1	1	15
1.60		1	1	1	1	1	1	7	4	2	3	1	23
1.50		1	1	1	2	1	2	10	5	2	3	3	31
1.40		1	1	2	4	1	5	10	7	2	5	4	42
1.30	1	1	1	4	4	3	8	11	8	2	6	5	54
1.20	1	2	4	4	5	5	11	14	9	4	6	5	70
1.10	4	3	4	7	6	5	12	16	11	6	7	5	86
1.00	8	6	5	9	7	7	16	21	19	9	10	6	123
0.90	12	7	5	11	11	12	26	25	23	17	16	10	175
0.80	18	9	9	13	14	17	35	31	27	24	18	12	227
0.70	29	12	16	15	19	17	38	38	32	37	22	17	292
0.60	46	19	20	20	26	22	51	50	42	47	37	29	409
0.50	62	41	30	32	46	29	73	70	61	67	60	42	613
0.40	91	59	54	50	61	46	92	89	81	102	97	74	896
0.30	141	93	81	90	96	79	133	135	111	154	148	118	1379
0.20	239	152	135	149	165	139	190	213	194	231	212	192	2211
0.10	382	282	252	255	276	253	318	330	308	358	344	336	3694
0.005	685	567	581	555	539	515	600	597	586	672	633	637	7167
* $\leq$ 0.004	400	422	504	495	546	535	485	488	464	413	417	448	5617
Total No. of Days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days

TABLE IV Accumulated Frequencies of Daily Rainfall, in inches, 1916-1950

SPITAL TOWER

Daily totals	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	All Months
3.00								1					1
2.50								1					1
2.40								1					1
2.30								1		1			2
2.20								1		1			2
2.10								1		1			2
2.00								1	2	1			4
1.90								1	4	1	1		7
1.80								1	5	1	1		8
1.70								2	5	1	1		9
1.60								4	5	1	1		11
1.50								4	5	1	1		11
1.40		1					1	5	5	1	2	1	16
1.30		1		1		2	2	5	7	3	2	1	24
1.20		1		1		3	7	7	7	3	2	1	32
1.10	1	1		1	1	5	10	9	9	4	2	1	44
1.00	3	1		1	3	9	14	13	10	5	3	2	64
0.90	4	1	3	2	5	9	20	16	10	10	5	4	89
0.80	6	3	7	6	6	11	24	20	12	14	5	7	121
0.70	12	4	9	8	9	16	30	32	18	20	15	12	185
0.60	19	13	15	10	13	18	42	44	25	30	24	18	271
0.50	28	20	24	18	19	26	55	77	34	46	33	24	404
0.40	51	34	36	29	41	38	63	99	56	76	53	45	621
0.30	106	53	50	50	74	69	101	132	83	119	87	76	1000
0.20	183	127	96	103	141	112	166	177	150	186	166	144	1751
0.10	335	240	217	217	252	232	276	312	275	321	304	293	3273
0.005	725	594	586	586	566	697	605	625	608	697	669	703	7681
* ≤ 0.004	360	395	479	464	519	353	480	460	442	388	381	382	5103
Total No. of Days	1085	989	1085	1050	1080	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days

TABLE IV Accumulated Frequencies of Daily Rainfall, in inches, 1916-1950

MARCHMONT HOUSE

Daily totals	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	All Months
4.00								1					1
3.50								1					1
3.00								1					1
2.50								1					1
2.40								1		1			2
2.30								1		1			2
2.20								2		1			3
2.10								2	1	1			4
2.00								2	2	1			5
1.90								2	3	1			6
1.80								3	4	1			8
1.70					1		1	4	4	1			11
1.60					1		1	4	4	3	1		14
1.50					1	1	1	4	4	3	2		16
1.40					1	1	1	4	4	3	2		16
1.30			1		1	1	2	4	5	3	2	2	21
1.20		1	2		1	3	5	9	6	5	3	2	37
1.10		1	3	1	3	6	8	12	9	8	4	2	57
1.00	2	1	3	1	5	6	8	14	9	10	9	3	71
0.90	5	2	5	1	6	7	14	19	15	13	13	6	106
0.80	9	3	5	6	8	10	20	22	16	14	17	7	137
0.70	18	9	10	7	12	14	29	33	19	26	20	11	208
0.60	27	14	18	16	21	22	40	48	27	35	27	14	309
0.50	46	26	29	24	37	31	65	65	39	50	41	25	478
0.40	68	37	41	34	53	49	86	89	57	75	72	43	704
0.30	110	80	77	55	81	75	116	128	92	129	108	83	1134
0.20	177	138	128	106	130	114	165	187	149	206	186	147	1833
0.10	326	257	234	223	240	216	289	299	255	338	313	279	3269
0.005	664	584	586	571	537	480	578	606	576	695	662	662	7201
* < 0.004	421	405	499	479	548	570	507	479	474	390	388	423	5583
Total No. of Days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days

TABLE V Maximum Daily Rainfall in inches

	Period	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Touch Res. No. 1* (Old Site)	1908-1963	1962 2.46	1957 2.18	1954 1.49	1947 1.99	1960 1.66	1935 2.19	1958 2.44	1920 3.12	1942 2.24	1911 1.99	1912 1.92	1932 2.38
Glen Cottage	1913-1963	1948 1.33	1925 1.93	1950 1.68	1916 1.76	1941 1.80	1926 1.85	1916 2.49	1920 3.58	1927 3.82	1949 2.43	1935 1.81	1919 1.95
Edinburgh Blackford Hill	1900-1963	1942 1.65	1903 1.43	1925 1.24	1934 1.29	1938 1.54	1931 1.32	1916 2.68	1920 3.00	1927 2.08	1907 3.13	1962 1.63	1953 1.67
Spital Tower	1916-1963	1962 1.46	1925 1.40	1948 0.98	1952 1.51	1954 1.21	1928 1.36	1916 1.47	1948 3.06	1918 2.03	1949 2.33	1938 1.90	1920 1.40
Marchmont House	1900-1963	1908 1.50	1903 1.26	1934 1.37	1958 1.25	1906 1.72	1911 2.71	1900 1.76	1948 4.00	1927 2.10	1949 2.47	1950 1.65	1909 1.41

* New site 1960-63

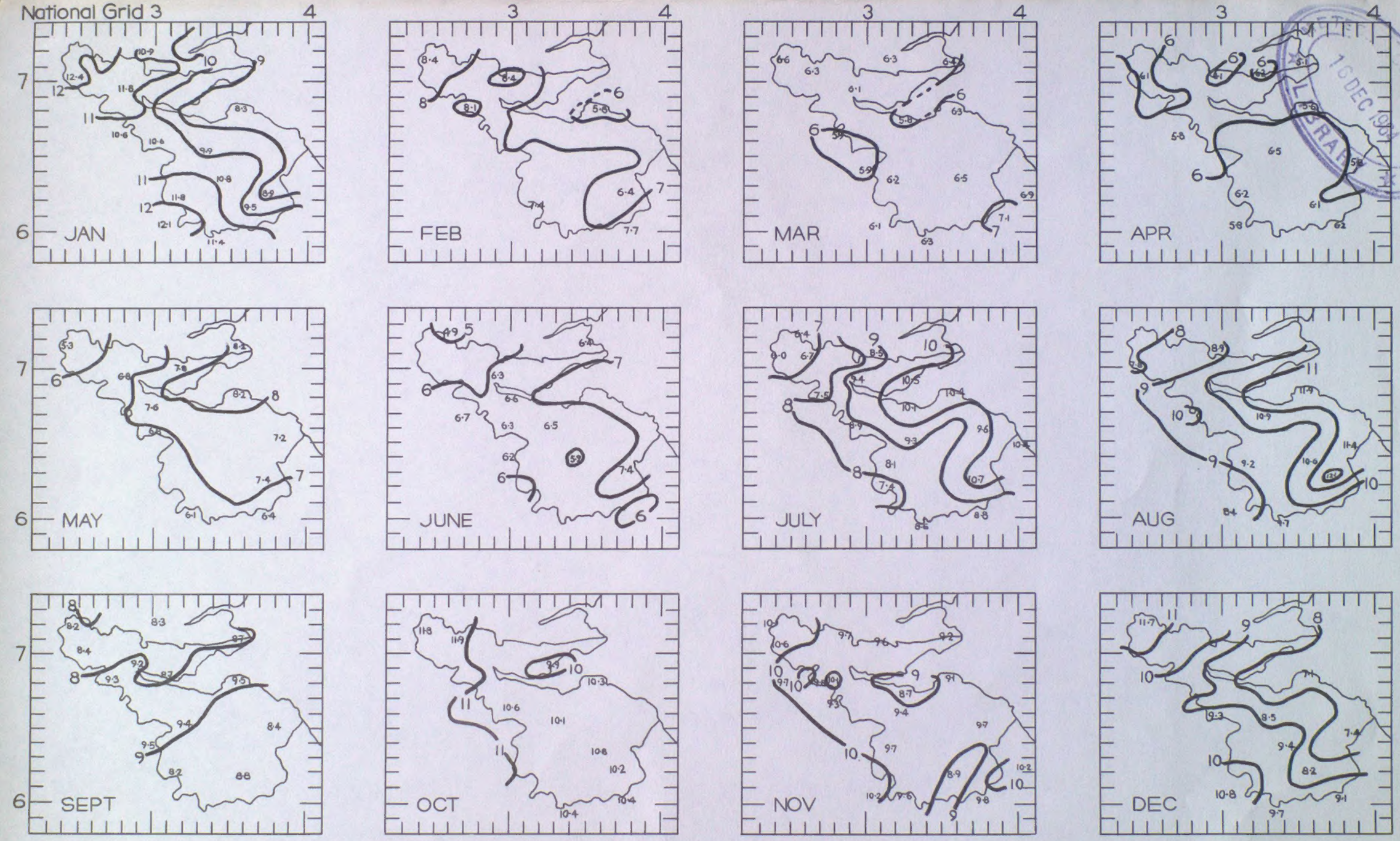

Fig 1. Average Monthly Rainfall as a percentage of Average Annual Rainfall, 1916-1950, January to December

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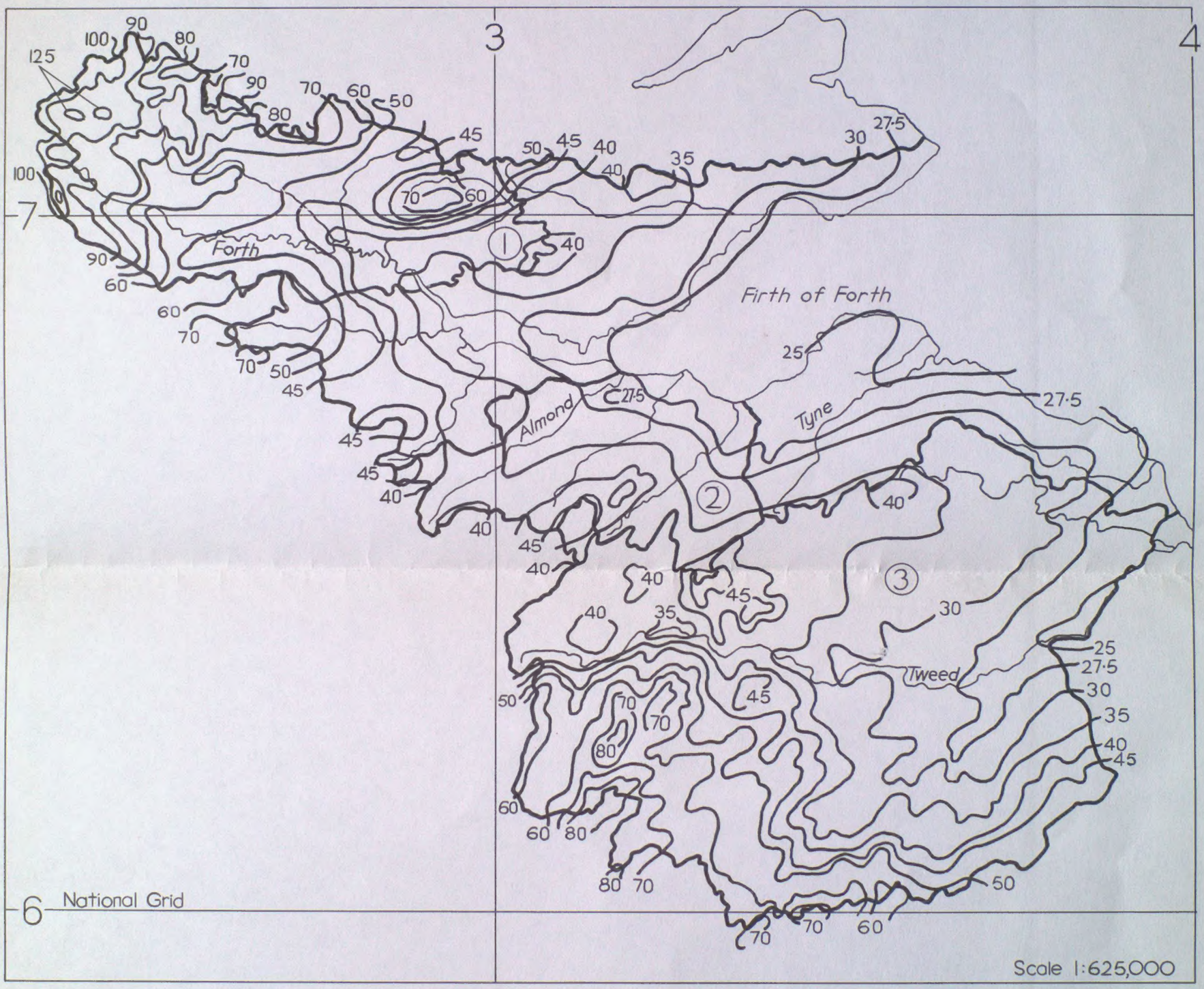

Fig 2 AVERAGE ANNUAL RAINFALL, 1916–1950, (in inches) over the hydrometric areas of:

①	②	③
17 Firth of Forth	19 Almond	21 Tweed
18 Forth	20 Tyne, Lothian	